



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : G01N 27/416, 33/14	A1	(11) International Publication Number: WO 99/13325 (43) International Publication Date: 18 March 1999 (18.03.99)
<p>(21) International Application Number: PCT/SE98/01583</p> <p>(22) International Filing Date: 7 September 1998 (07.09.98)</p> <p>(30) Priority Data: 9703215-5 7 September 1997 (07.09.97) SE</p> <p>(71) Applicant (for all designated States except US): NORDIC SENSOR TECHNOLOGIES AB [SE/SE]; Teknikringen 6, S-583 30 Linköping (SE).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): WINQUIST, Fredrik [SE/SE]; Heidenstams gata 34, S-584 37 Linköping (SE). WIDE, Peter [SE/SE]; Järsta 3, S-681 93 Kristinehamn (SE).</p> <p>(74) Agent: BERGLUND, Erik; Berglunds Patentbyrå AB, S-590 55 Sturefors (SE).</p>	<p>(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, GB, GH, GM, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p>	
<p>(54) Title: ELECTRONIC TONGUE</p> <p>(57) Abstract</p> <p>Electronic tasting carried out by feeding short electrical pulses to electrodes and a registration of current and/or voltage transients for these pulses (at distinct times). For each test sequence a number of pulses with different voltages are used. The obtained signals are then recognized or compared by a pattern recognition program in a computer for instance, to see if a liquid substance such as beer or milk lies within set quality limits.</p> <div style="text-align: center;"> <p>Voltage (V)</p> <p>Current (A)</p> <p>Time</p> <p>Curve A Curve B</p> </div>		